BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work: Estimate for Desilting and Repairto side Walls of Storm Water Drain from Byatarayanapura Ayyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.

		14th Finance			Est Cost:			9900000.00	
Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Excavation and removal of silt or silt mixed with sand in slushy condition from canal bed including jack well disposing off the same in spoil bank or on the canal embankment in layers as directed etc., complete with initial lead upto 50 m and all lifts.MISR 2014-15 (P.76 / I. No.44)	Cum							
	Desilting of SWD								
	Gullappa Nursery to Amruthahalli Lake		1	50.00	1.50	0.60	45.00		
			1	135.00	1.20	0.60	97.20		
	Snehanagar 2nd Cross to Amruthahalli lake		1	138.00	0.75	0.90	93.15		
			1	71.00	0.75	0.60	31.95		
			1	18.00	0.75	0.60	8.10		
			1	10.00	0.75	0.60	4.50		
			1	128.00	0.75	0.60	57.60		
	Amruthahalli Village Kariyappa House to Lake Side SWD		1	36.00	0.45	0.45	7.29		
			1	25.00	0.45	0.45	5.06		
			1	110.00	1.00	0.45	49.50		
			1	85.00	0.60	0.45	22.95		
							422.30	351.08	**148262.00**
	Basic Rate	245.00							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 / km= 38.08	38.08							
		351.08							
2	KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation** including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **(P.No. 12/I.No. 4.2 of CSR 2016-17)**	Cum							
	Gullappa Nursery to Amruthahalli Lake		1	30.00	1.50	0.15	6.75		
			1	50.00	1.20	0.15	9.00		

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Snehanagar 2nd Cross to Amruthahalli lake		1	55.00	0.75	0.15	6.19		
			1	15.00	0.75	0.15	1.69		
			1	5.00	0.75	0.15	0.56		
			1	5.00	0.75	0.15	0.56		
			1	65.00	0.75	0.15	7.31		
	Amruthahalli Village Kariyappa House to Lake Side SWD		1	15.00	0.45	0.15	1.01		
			1	10.00	0.45	0.15	0.68		
			1	25.00	1.00	0.15	3.75		
			1	85.00	0.60	0.15	7.65		
	Basic Rate	5046.00					**45.15**	5348.76	**241497.00**
	Area Weightage @ 6%	302.76							
	Total	**5348.76**							
3	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.9, PWD SR 2016-17**	Cum							
	Gullappa Nursery to Amruthahalli Lake		2	75.00	0.60	0.45	40.50		
			2	50.00	0.45	0.40	18.00		
	Snehanagar 2nd Cross to Amruthahalli lake		2	138.00	0.45	0.60	74.52		
			2	71.00	0.45	0.45	28.76		
			2	18.00	0.45	0.90	14.58		
			2	10.00	0.45	0.45	4.05		
	Amruthahalli Village Kariyappa House to Lake Side SWD		2	110.00	0.45	0.60	59.40		
			2	85.00	0.45	0.45	34.43		
	Basic Rate	5005.00					**274.23**	5305.30	**1454872.00**
	Area Weightage @ 6%	300.30							
	Total	**5305.30**							
4	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 113 / Item No. 15.3, PWD SR 2016-17**	Sqm							
	Gullappa Nursery to Amruthahalli Lake		2	75.00		0.45	67.50		
	Snehanagar 2nd Cross to Amruthahalli lake		2	138.00		0.60	165.60		
			2	71.00		0.45	63.90		
			2	18.00		0.90	32.40		
			2	10.00		0.45	9.00		
	Amruthahalli Village Kariyappa House to Lake Side SWD		2	110.00		0.60	132.00		

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	85.00		0.45	76.50		
	Basic Rate	98.00					**546.90**	103.88	**56812.00**
	Area Weightage @ 6%	5.88							
	Total	**103.88**							
5	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills,** ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.6 PWD SR 2016-17**	Cum							
	Cpoing								
	Gullappa Nursery to Amruthahalli Lake		2	75.00	0.45	0.10	6.75		
	Snehanagar 2nd Cross to Amruthahalli lake		2	138.00	0.45	0.10	12.42		
			2	71.00	0.45	0.10	6.39		
			2	18.00	0.45	0.10	1.62		
			2	10.00	0.45	0.10	0.90		
	Amruthahalli Village Kariyappa House to Lake Side SWD		2	110.00	0.45	0.10	9.90		
			2	85.00	0.45	0.10	7.65		
	Vent Concrete								
	Gullappa Nursery to Amruthahalli Lake		1	30.00	1.50	0.15	6.75		
			1	50.00	1.20	0.15	9.00		
	Snehanagar 2nd Cross to Amruthahalli lake		1	55.00	0.75	0.15	6.19		
			1	15.00	0.75	0.15	1.69		
			1	5.00	0.75	0.15	0.56		
			1	5.00	0.75	0.15	0.56		
			1	65.00	0.75	0.15	7.31		
	Amruthahalli Village Kariyappa House to Lake Side SWD		1	15.00	0.45	0.15	1.01		
			1	10.00	0.45	0.15	0.68		
			1	25.00	1.00	0.15	3.75		
			1	25.00	0.60	0.15	2.25		
	For Solid Block Coping								
	Amruthahalli Village Kariyappa House to Lake Side SWD		2	36.00	0.20	0.20	2.88		
			2	25.00	0.20	0.20	2.00		
	Basic Rate	5441.00					**90.26**	5767.46	**520571.00**
	Area Weightage @ 6%	326.46							
	Total	**5767.46**							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.26.2, PWD SR 2016-17**	Sqm							
	Amruthahalli Village Kariyappa House to Lake Side SWD		2	36.00		0.90	64.80		
			2	25.00		0.90	45.00		
	Basic Rate	907.00					**109.80**	961.42	**105564.00**
	Area Weightage @ 6%	54.42							
	Total	**961.42**							
6	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of Design mix M20** with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticiseng 15 cms thick, vibrated for all works **in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc.,** including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 12, Item No. 4.11, PWD SR 2016-17**	Cum							
	Covering Slab								
	Gullappa Nursery to Amruthahalli Lake		1	50.00	2.50	0.25	31.25		
			1	135.00	2.00	0.25	67.50		
	Snehanagar 2nd Cross to Amruthahalli lake		1	138.00	1.80	0.15	37.26		
			1	71.00	1.80	0.15	19.17		
			1	18.00	1.80	0.15	19.44		
			1	10.00	1.80	0.15	10.80		
			1	128.00	1.65	0.15	126.72		
	Amruthahalli Village Kariyappa House to Lake Side SWD		1	36.00	0.90	0.15	19.44		
			1	25.00	0.90	0.15	13.50		
			1	110.00	1.90	0.25	209.00		
			1	85.00	0.90	0.10	30.60		
	Basic Rate	6011.00					**584.68**	6371.66	**3725382.00**
	Area Weightage @ 6%	360.66							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**6371.66**							
7	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - **TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17**								
	Consider 65 Kg/Cum		0.060	584.68			35.08		
	Basic Rate	60607.00					**35.08**	64243.42	**2253711.00**
	Area Weightage @ 6%	3636.42							
	Total	**64243.42**							
8	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 15 / Item No. 4.31 PWD SR 2016-17**	Sqm							
	Bottom								
	Gullappa Nursery to Amruthahalli Lake		1	50.00	1.50		75.00		
			1	135.00	1.20		162.00		
	Snehanagar 2nd Cross to Amruthahalli lake		1	138.00	0.75		103.50		
			1	71.00	0.75		53.25		
			1	18.00	0.75		13.50		
			1	10.00	0.75		7.50		
			1	128.00	0.75		96.00		
	Amruthahalli Village Kariyappa House to Lake Side SWD		1	36.00	0.45		16.20		
			1	25.00	0.45		11.25		
			1	110.00	1.00		110.00		
			1	85.00	0.60		51.00		
	Side Walls								
	Gullappa Nursery to Amruthahalli Lake		2	50.00		0.25	25.00		
			2	135.00		0.50	135.00		
	Snehanagar 2nd Cross to Amruthahalli lake		2	138.00		0.15	41.40		
			2	71.00		0.15	21.30		
			2	18.00		0.15	5.40		
			2	10.00		0.15	3.00		
			2	128.00		0.15	38.40		

(5)

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Amruthahalli Village Kariyappa House to Lake Side SWD		2	36.00		0.15	10.80		
			2	25.00		0.15	7.50		
			2	110.00		0.25	55.00		
			2	85.00		0.15	25.50		
							1067.50	310.58	**331544.00**
	Basic Rate	293.00							
	Area Weightage @ 6%	17.58							
	Total	**310.58**							
	Sub Total								**8838215.00**
	Tender Premium @ 10%								**883822.00**
	Third Party Inspection Charges @ 1%								**88382.00**
	Labour Cess @ 1%								**88382.00**
	Miscellaneous and unforeseen charges	LS							**1199.00**
								Total	**9900000.00**
Rupees Ninety Nine Lakh(s) Only									

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

N.D.
Assistant Engineer
Ward No. 07

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

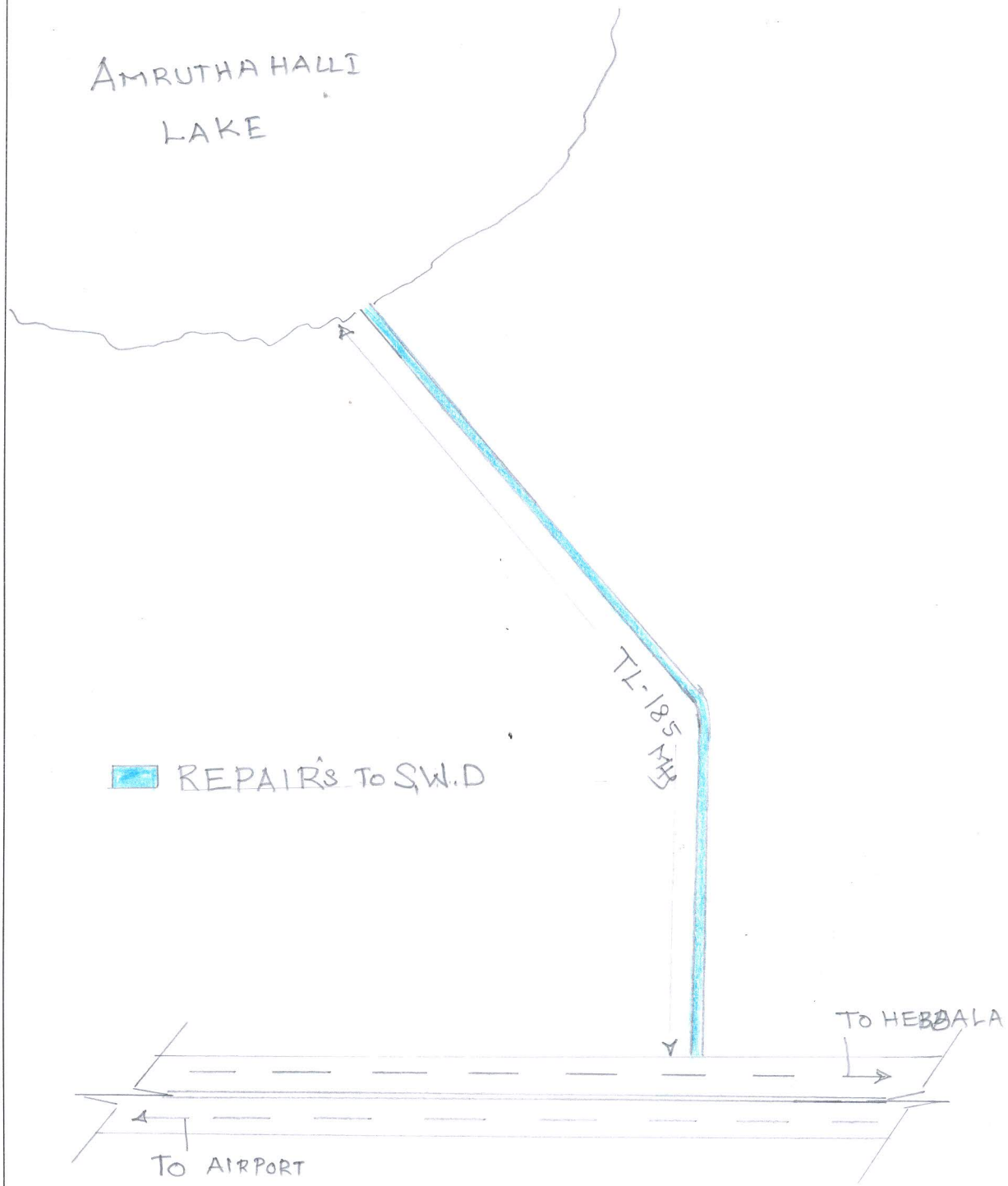
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVE APPROVAL
Accorded For Rs. Ninety Nine lakhs only
Head of A/c..... P-3297
Div. Ref. No. 165/17-18 Date. 12/01/18
AE
EE(BTP) 12/01

Technical Sanction
Accorded For Ninety nine lakhs only
Head of A/C P3297
CER NO TS506/17-18 Dt. 12.01.18
TA CE (YNK)

(3)

Name of Work: Estimate for Desilting and Repair to side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.

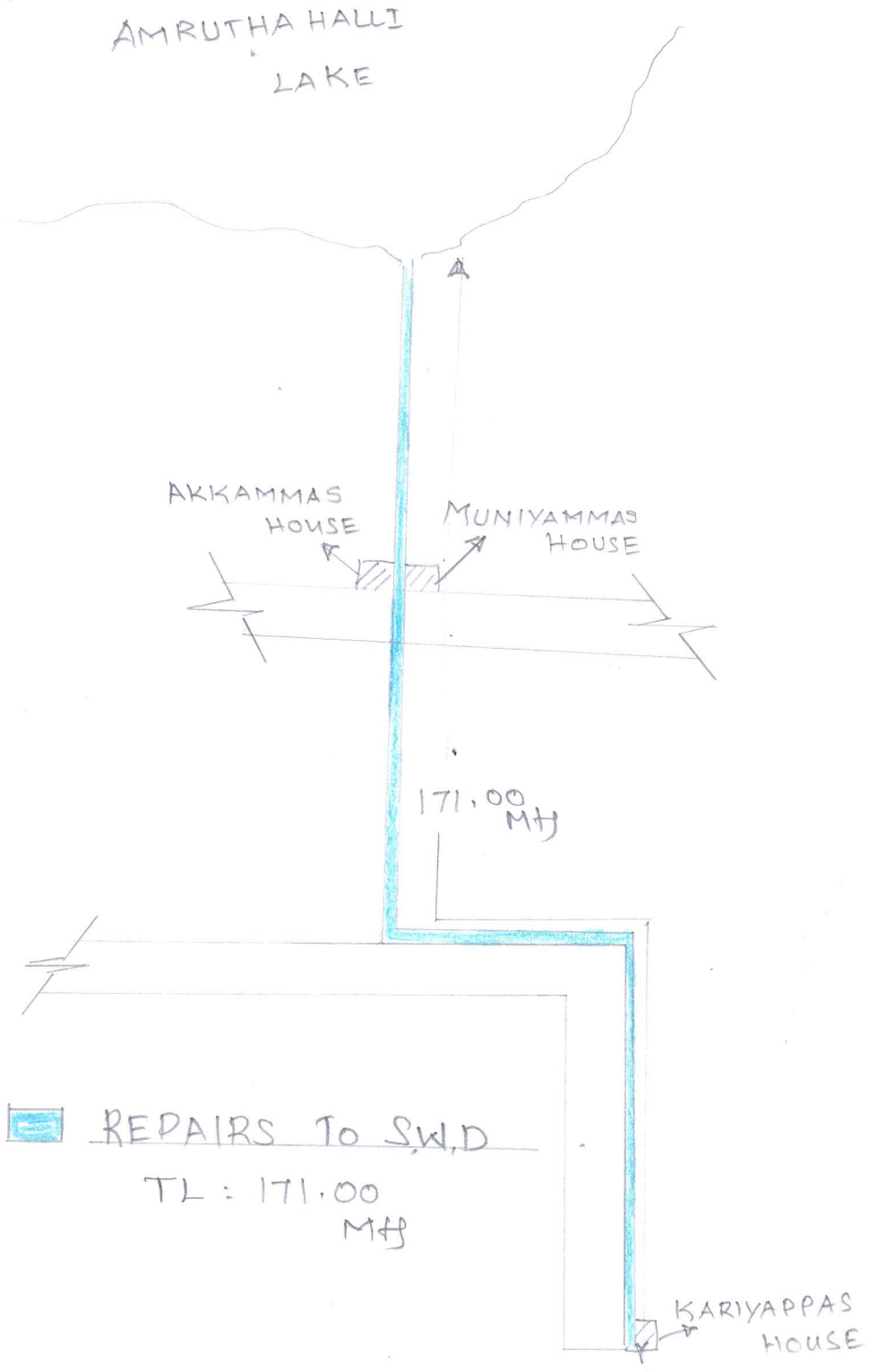


Assistant Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli Sub Division

(2)

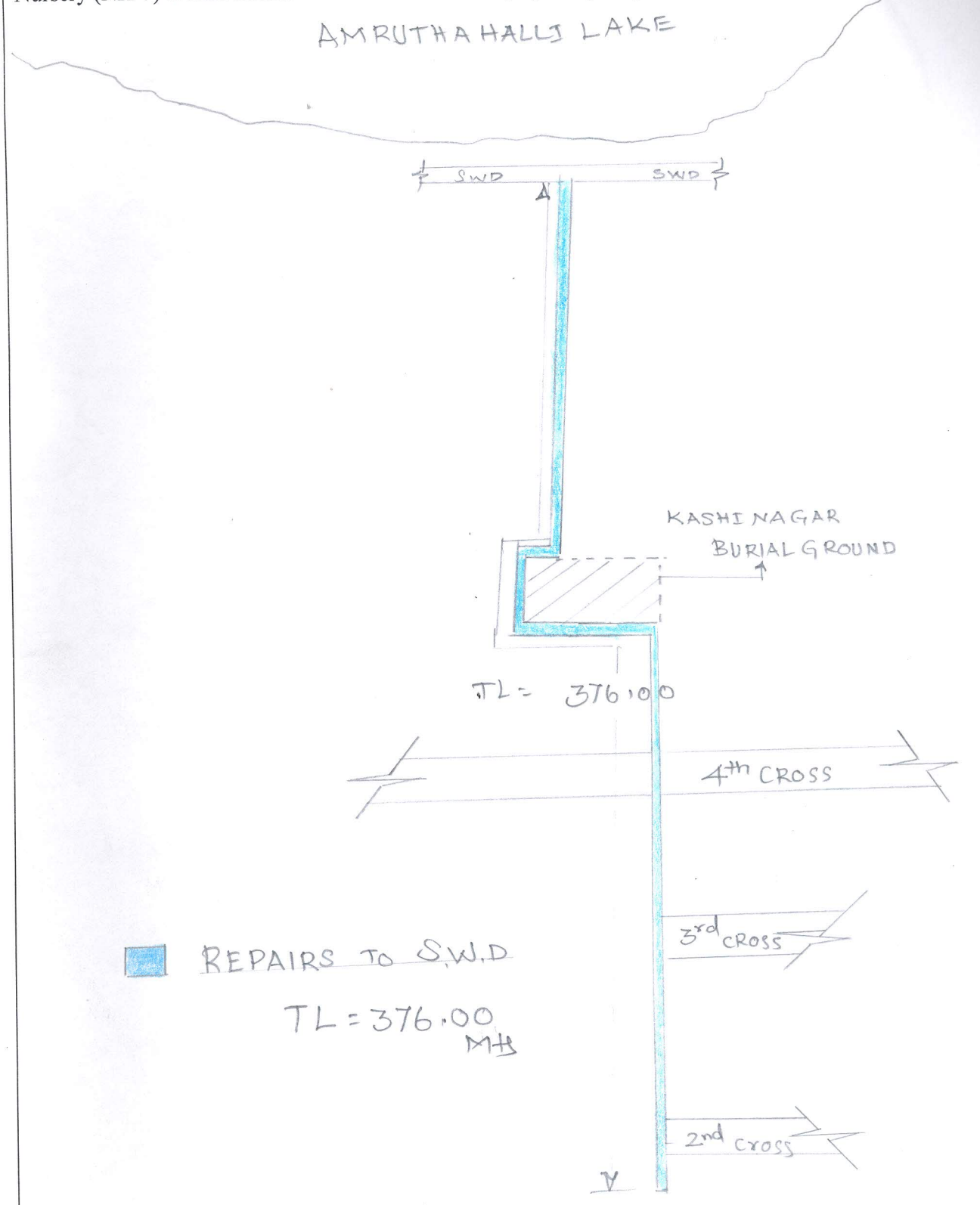
Name of Work: Estimate for Desilting and Repair to side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.



A.E.N.D.
Assistant Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli Sub Division

Name of Work: Estimate for Desilting and Repair to side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.



Assistant Engineer
Ward No. 07

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Kodigehalli Sub Division